

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Miller et al. § Group Art Unit: 2812  
Serial No.: Not Assigned § Examiner: Not Assigned  
Filed: May 23, 2001 § Attorney Docket No.: 98-197/1D  
For: Method and Apparatus for §  
Deposition of Porous Silica Dielectrics

ASSOCIATE POWER OF ATTORNEY

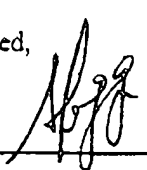
Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

I hereby appoint Duke W. Yee, Reg. No. 34,285; Colin P. Cahoon, Reg. No. 38,836; David W. Carstens, Reg. No. 34,134; Stephen R. Loe, Reg. No. 43,757; Stephen J. Walder, Jr., Reg. No. 41,534; Charles D. Stepps, Jr., Reg. No. 45,880; Stephen R. Tkacs, Reg. No. 46,430; Christopher P. O'Hagan, Reg. No. 46,966; Lisa L.B. Yociss, Reg. No. 36,975; Michael R. Nichols, Reg. No. 46,959; and Frank F. Tian 46,462 located at P.O. Box 802334, Dallas, Texas, 75380, telephone 972/367-2001, as associate attorneys to prosecute the above-identified application and transact business in the U.S. Patent and Trademark Office connected herewith. This appointment does not revoke the previous Power of Attorney for this case.

Respectfully submitted,

Date: 5/23/01

  
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Sandeep Jaggi, Ph.D.  
Registration No.: 43,331  
LSI Logic Corporation  
Intellectual Property Law  
MS D-106  
1551 McCarthy Blvd.  
Milpitas, CA 95035



## ASSIGNMENT OF UNITED STATES PATENT APPLICATION

WHEREAS, we, Gayle W. Miller of Colorado Springs, CO; and Gail D. Shelton, of Colorado Springs, CO, have invented certain new and useful improvements in a **METHOD AND APPARATUS FOR DEPOSITION OF POROUS SILICA DIELECTRICS**, Docket No. 98-197, for which we have executed an application for Letters Patent of the United States on 4/28/99 and 4/28/99, respectively; and

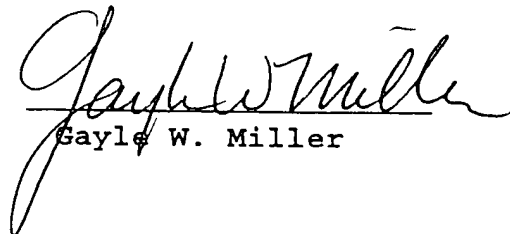
WHEREAS, LSI Logic Corporation, a corporation of the State of Delaware, having its principal place of business in Milpitas, California, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and any and all foreign countries;

NOW, THEREFORE, be it known that for good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said LSI Logic Corporation, its successors and assigns, the entire right, title and interest in and to the invention and improvements in any form or embodiment thereof, disclosed and claimed in said application, or which are disclosed and may be claimed; also the entire right, title and interest in and to any Letters Patent to be granted in the United States and its territorial possessions and in any and all foreign countries upon said invention in any form or upon any such improvements thereon, and in and to any and all divisions, reissues, continuations and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any Letters Patent on said application to the said LSI Logic Corporation, of Delaware, its successors and assigns.

Further, we agree that we will communicate to said LSI Logic Corporation, or its representatives, any facts known to us respecting said invention, and testify in any legal proceeding,

sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said LSI Logic Corporation, make all rightful oaths and generally to do everything possible to aid said LSI Logic Corporation, its successors and assigns, to obtain and enforce protection for said invention in the United States and in any and all foreign countries.

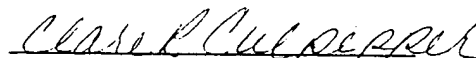
Signed at Colorado Springs, Colorado, this 28th day of April, 1999.

  
Gayle W. Miller

STATE OF COLORADO )  
 ) ss:  
COUNTY OF EL PASO )

On this 28 day of April, 1999, before me personally appeared Gayle W. Miller, to me personally known and known to be the person who signed the foregoing assignment, and acknowledged the signing thereof as his free act and deed.

(SEAL)

  
Notary Public  
COMMEXD 9/29/99



Gail D. Shelton

Clare P. Chappell  
Notary Public  
commission 9/29/99